

Date: Thu, 2 Dec 93 04:30:45 PST
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V93 #97
To: Ham-Space

Ham-Space Digest Thu, 2 Dec 93 Volume 93 : Issue 97

Today's Topics:

(none)

What are Global Positioning satellite frequencies?

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 1 Dec 93 16:13:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: ham-space@ucsd.edu

Satellite: INTELSAT 5 F-2
Catalog number: 12089
Epoch time: 93316.34011391
Element set: 507
Inclination: 4.4833 deg
RA of node: 65.5032 deg
Eccentricity: 0.0004321
Arg of perigee: 167.1666 deg
Mean anomaly: 279.9183 deg
Mean motion: 1.00268695 rev/day
Decay rate: -1.37E-06 rev/day^2
Epoch rev: 1005
Checksum: 273

Satellite: INTELSAT 5 F-3
Catalog number: 12994

Epoch time: 93318.41247243
Element set: 112
Inclination: 4.1234 deg
RA of node: 66.3660 deg
Eccentricity: 0.0003531
Arg of perigee: 163.7862 deg
Mean anomaly: 154.9332 deg
Mean motion: 1.00277097 rev/day
Decay rate: 9.9E-07 rev/day^2
Epoch rev: 823
Checksum: 276

Satellite: INTELSAT 5 F-6

Catalog number: 14077
Epoch time: 93318.45390750
Element set: 612
Inclination: 2.5633 deg
RA of node: 71.2496 deg
Eccentricity: 0.0003338
Arg of perigee: 167.6751 deg
Mean anomaly: 287.9989 deg
Mean motion: 1.00266681 rev/day
Decay rate: -2.55E-06 rev/day^2
Epoch rev: 586
Checksum: 318

Satellite: INTELSAT 5 F-8

Catalog number: 14786
Epoch time: 93320.65803884
Element set: 521
Inclination: 2.2639 deg
RA of node: 72.2290 deg
Eccentricity: 0.0003383
Arg of perigee: 160.8112 deg
Mean anomaly: 239.5413 deg
Mean motion: 1.00273816 rev/day
Decay rate: 7.9E-07 rev/day^2
Epoch rev: 3645
Checksum: 286

Satellite: INTELSAT 5A F-11

Catalog number: 15873
Epoch time: 93324.30626863
Element set: 220
Inclination: 0.7736 deg
RA of node: 77.9886 deg
Eccentricity: 0.0003287
Arg of perigee: 154.8030 deg

Mean anomaly: 113.8487 deg
Mean motion: 1.00274405 rev/day
Decay rate: 6.1E-07 rev/day²
Epoch rev: 538
Checksum: 288

Satellite: INTELSAT 5A F-12
Catalog number: 16101
Epoch time: 93320.10528561
Element set: 518
Inclination: 0.2128 deg
RA of node: 86.6661 deg
Eccentricity: 0.0002379
Arg of perigee: 150.7203 deg
Mean anomaly: 214.8430 deg
Mean motion: 1.00275169 rev/day
Decay rate: 1.8E-07 rev/day²
Epoch rev: 1214
Checksum: 242

Satellite: INTELSAT 5A F-13
Catalog number: 19121
Epoch time: 93317.04756235
Element set: 420
Inclination: 0.0109 deg
RA of node: 220.7814 deg
Eccentricity: 0.0001801
Arg of perigee: 22.8621 deg
Mean anomaly: 132.7088 deg
Mean motion: 1.00271401 rev/day
Decay rate: -2.57E-06 rev/day²
Epoch rev: 707
Checksum: 233

Satellite: INTELSAT 6 F-3
Catalog number: 20523
Epoch time: 93321.95100523
Element set: 316
Inclination: 0.0147 deg
RA of node: 336.3972 deg
Eccentricity: 0.0000655
Arg of perigee: 259.3126 deg
Mean anomaly: 129.1493 deg
Mean motion: 1.00268888 rev/day
Decay rate: -2.13E-06 rev/day²
Epoch rev: 649
Checksum: 391

Satellite: INTELSAT VI F4
Catalog number: 20667
Epoch time: 93320.68614126
Element set: 613
Inclination: 0.0125 deg
RA of node: 338.8919 deg
Eccentricity: 0.0001558
Arg of perigee: 220.1098 deg
Mean anomaly: 163.7843 deg
Mean motion: 1.00271848 rev/day
Decay rate: 7.5E-07 rev/day²
Epoch rev: 580
Checksum: 274

Satellite: INTELSAT 6 F-5
Catalog number: 21653
Epoch time: 93322.14714462
Element set: 513
Inclination: 0.0124 deg
RA of node: 25.2846 deg
Eccentricity: 0.0000851
Arg of perigee: 210.3324 deg
Mean anomaly: 210.0842 deg
Mean motion: 1.00270135 rev/day
Decay rate: -1.59E-06 rev/day²
Epoch rev: 829
Checksum: 351

Satellite: INTELSAT VI-F1
Catalog number: 21765
Epoch time: 93323.47277801
Element set: 515
Inclination: 0.0055 deg
RA of node: 207.3684 deg
Eccentricity: 0.0000992
Arg of perigee: 16.8105 deg
Mean anomaly: 337.0362 deg
Mean motion: 1.00269796 rev/day
Decay rate: -1.77E-06 rev/day²
Epoch rev: 746
Checksum: 277

Satellite: INTELSAT K
Catalog number: 21989
Epoch time: 93321.92928887
Element set: 418
Inclination: 0.0634 deg
RA of node: 82.7189 deg

Eccentricity: 0.0001540
Arg of perigee: 171.1641 deg
Mean anomaly: 116.1202 deg
Mean motion: 1.00269461 rev/day
Decay rate: -1.41E-06 rev/day^2
Epoch rev: 1591
Checksum: 266

Date: 1 Dec 93 09:19:44 GMT
From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!cs.utexas.edu!not-for-mail@network.ucsd.edu
Subject: What are Global Positioning satellite frequencies?
To: ham-space@ucsd.edu

Path: news.csuohio.edu!usenet.ins.cwru.edu!howland.reston.ans.net!cs.utexas.edu!not-for-mail
From: bmm1@freenet.scri.fsu.edu (Bruce M. Marshall)
Newsgroups: rec.radio.scanner
Subject: What are Global Positioning satellite frequencies?
Date: 1 Dec 1993 14:34:05 -0600
Organization: UTexas Mail-to-News Gateway
Lines: 13
Sender: daemon@cs.utexas.edu
Message-ID: <199312012033.AA15653@freenet2.scri.fsu.edu>
NNTP-Posting-Host: news.cs.utexas.edu

Does anyone know where I can get technical data on the global positioning system satellites? Specifically I would like to know their frequencies, modulation type, data format and how many of them are presently in orbit. It would also be interesting to know their norad designation, orbital elements and some spacecraft statistics like power source and rf transmit power.

I have found lots of information on how to use the equipment but nothing technical on the whole system.

thanks.

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End of Ham-Space Digest V93 #97
